

## ABSTRACT

The invention relates to a method of preparing chemical pulp and xylose by the use of alkaline or neutral cooking and post hydrolysis of the pulp by performing the post hydrolysis directly on the pulp by means of acid treatment. In the method of 5 the invention, the xylan in the pulp is utilized as completely as possible, resulting in a good xylose yield and, simultaneously, acceptable characteristics for the pulp.